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REMARKS

Claims 7-9 and 13-25 were pending in the subject application. By this Amendment, applicants canceled claims 7-9 and 13-25 without disclaimer or prejudice to applicants' right to pursue the subject matter of these claims in the future and have added new claims 26-35. Support for new claims 26-35 may be found in the specification at, *inter alia*, as follows: Claim 26: page 21, lines 14-16; page 24, lines 10-12; and page 27, lines 24-29; Claim 27: page 27, lines 4-5; Claim 28: page 27, lines 5-6; Claim 29: page 27, line 6; and Claim 30: page 27, lines 6-7; Claim 31: page 28, lines 5-7; page 24, lines 10-12; and page 27, lines 24-29; Claim 32: page 27, lines 4-5; Claim 33: page 27, lines 5-6; Claim 34: page 27, line 6; and Claim 35: page 27, lines 6-7. Accordingly, applicants maintain that new claims 26-35 do not raise any issue of new matter. Applicants respectfully request that the Examiner enter this Amendment. Upon entry of this Amendment, claims 26-35 will be pending and under examination.

Rejection under 35 U.S.C. §112, First Paragraph

In the February 8, 2007 Office Action the Examiner maintained the rejection of claims 7-9 and 13-25 under 35 U.S.C. §112, first paragraph, as allegedly containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention. Specifically, the Examiner alleged that the word "agent" in the claims encompasses a large genus of poorly defined chemical compounds which could include, *inter alia*, antibodies, organic compounds, small molecular weight polypeptides, peptidomimetics, and retroinverso peptides. The Examiner further alleged that the claimed genus has no structural boundaries

In response, applicants respectfully traverse the Examiner's ground of rejection. Nevertheless, without conceding the correctness of the Examiner's rejection, applicants have herein cancelled claims 7-25 without disclaimer or prejudice thereby rendering moot the Examiner's

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ground of rejection. Applicants will address this ground of rejection as if it were being applied to new claims 26-35.

Applicants' invention provides a method of specifically inhibiting fusion of an HIV-1 envelope glycoprotein⁺ cell with a CD4⁺ cell that fuses with such HIV-1 envelope glycoprotein⁺ cell, which comprises contacting the CD4⁺ cell with an antibody which (1) inhibits HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{JRFL} to a PM1 cell, but (2) does not inhibit HIV-1 mediated membrane fusion between HeLa-env_{LAI} to a HeLa-CD4⁺ cell, so as to thereby inhibiting fusion of an HIV-1 envelope glycoprotein⁺ cell with a CD4⁺ cell.

Applicants' invention further provides a method of inhibiting infection of a CD4⁺ cell by HIV-1 which comprises contacting the CD4⁺ cell with an antibody that (1) inhibits HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{JR-FL} to a PM1 cell, but (2) does not inhibit HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{LAI} to a HeLa-CD4⁺ cell, so as to thereby inhibit infection of the CD4⁺ cell by HIV-1.

Applicants maintain that the structural characteristics of an antibody are well known in the art, so that one of skill in the art would easily understand the structure of the antibody recited in the methods now being claimed. In addition, applicants maintain that the binding specificity of the antibody and its preferential inhibitory activities, i.e., that the antibody inhibits HIV-1 envelope glycoprotein mediated membrane fusion of HeLa-env_{JRFL} to a PM1 cell, but does not inhibit HIV-1 mediated membrane fusion between HeLa-env_{LAI} to a HeLa-CD4⁺ cell, as recited in new claims 26 and 31, functionally identify the antibody.

Moreover, the specification discloses monoclonal antibodies PA-3, PA-5, PA-6 and PA-7, which inhibit fusion of HeLa-env_{JR-FL} to a PM1 cell (see page 60, lines 13-16 and Table 3), but which do not inhibit fusion of HeLa-env_{LAI} to a HeLa-CD4⁺ cell (see Table 3). In addition, as described on page 61, Table 3 in the specification, PA-3, PA-5 and PA-7 did not inhibit fusion of HeLa-env_{LAI} to HeLa-CD4⁺ cells (i.e. value is 0%), and PA6 inhibited fusion by the de minimis value of 7.7%. By comparison, PA-3, PA-5 and PA-6 inhibited fusion of HeLa-env_{JR-FL} to

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HeLa-CD4+ cells by 85%, 96% and 92%, respectively, and PA7 inhibited such fusion by 67%. The HeLa-env_{JR-FL} and HeLa-env_{LAI} cell lines used in the RET assay disclosed in the application are indicators of the fusion activity of macrophage-tropic and T cell-tropic HIV-1 strains, respectively (see the specification at, *inter alia*, page 52, lines 11-33 and pages 57-59).

In addition, applicants note that the specification discloses and exemplifies a reproducible RET assay for identifying antibodies which inhibits HIV-1 mediated membrane fusion of HeLa-env_{JR-FL} to a PM1 cell, but do not inhibit HIV-1 mediated membrane fusion between HeLa-env_{LAI} to a HeLa-CD4+ cell, as recited in new claims 26 and 31. Accordingly, antibodies of the invention are disclosed and can be readily identified using the RET screening assay.

In view of the above remarks, applicants maintain that the subject specification provides written description sufficient to comply with the requirements of 35 U.S.C. §112, first paragraph. Accordingly, applicants maintain that the Examiner's ground of rejection set forth in the February 8, 2007 Office Action is not applicable to new claims 26-35, and request allowance of new claims 26-35.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following documents listed below which are also listed on Substitute Form PTO-1449 (**Exhibit A**).

This Supplemental Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97(c) before the mailing of a Final Office Action, Notice of Allowance or an action that otherwise closes prosecution in the application. Pursuant to 37 C.F.R. § 1.97 (c)(2), the fee set forth in § 1.17(p) must accompany this Supplemental Information Disclosure Statement. The fee set forth in § 1.17(p) is ONE HUNDRED AND EIGHTY DOLLARS (\$180.00) and a check including this amount is enclosed. Thus, this Supplemental Information Disclosure Statement should be entered and considered.

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In accordance with 37 C.F.R. §1.92(a)(2)(ii), copies of the U.S. Patents and U.S. Patent Application Publications listed herein are not provided. Accordingly, copies of documents listed below as items 1-38 are not submitted herewith. Copies of documents listed below as items 39-494 are attached hereto as **Exhibits 1-456**.

1. U.S. Patent No. 6,258,527 issued July 10, 2001 to Littman;
2. U.S. Patent No. 6,258,782 issued July 10, 2001 to Barney et al.;
3. U.S. Patent No. 6,265,184 issued July 24, 2001 to Gray;
4. U.S. Patent No. 6,268,477 issued June 31, 2002 to Gray;
5. U.S. Patent No. 6,448,375 issued September 10, 2002 to Samson;
6. U.S. Patent No. 6,692,745 issued February 17, 2004 to Olson;
7. U.S. Patent No. 6,692,938 issued February 17, 2004 to Samson;
8. U.S. Patent No. 6,797,811 issued September 28, 2004 to Gray;
9. U.S. Patent No. 6,972,126 issued December 6, 2005 to Allaway;
10. U.S. Patent No. 6,800,447 issued October 5, 2004 to Samson;
11. U.S. Patent No. 5,939,320 issued August 17, 1999 to Littman;
12. U.S. Patent No. 5,817,767 issued October 6, 1998 to Allaway;
13. U.S. Patent No. 6,100,087 issued August 8, 2000 to J. Rossi et al.;
14. U.S. Patent No. 7,175,988 issued February 13, 2003 to V. Roschke et al.;
15. U.S. Patent No. 6,528,625 issued March 4, 2003 to L. Wu;

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16. U.S. Patent No. 6,548,636 issued April 15, 2003 to T. Dragic;
17. U.S. Patent No. 7,118,859 issued October 10, 2006 to V.M. Litwin et al.;
18. U.S. Patent No. 7,138,119 issued November 21, 2006 to W.C. Olson et al.;
19. U.S. Patent No. 6,930,174 issued August 16, 2005 to M. Samson et al.;
20. U.S. Patent No. 7,151,087 B2 issued December 19, 2006 to C. Combadiere et al.;
21. U.S. Patent No. 7,129,055 issued October 31, 2006 to D. Littman et al.;
22. U.S. Patent No. 7,060,273 issued June 13, 2006 to W.C. Olson et al.;
23. U. S. Patent No. 7,122,185 issued October 17, 2006 to W.C. Olson et al.;
24. U.S. Patent No. 6,908,734 issued June 21, 2005 to T. Dragic et al.;
25. U.S. Patent No. 7,160,546 issued January 9, 2007 to Y. Li et al.;
26. G.P. Allaway et al., U.S. Patent Application Publication No. 2007-0048820 A1 published March 1, 2007;
27. W.C. Olson et al., U.S. Patent Application Publication No. 2007-0031408 A1 published February 8, 2007;
28. W.C. Olson et al., U.S. Patent Application Publication No. 2007-0020280 A1 published January 25, 2007;

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29. V.M. Litwin et al., U.S. Patent Application Publication No. 2007-0025983 A1 published February 1, 2007;
30. T. Dragic et al., U.S. Patent Application Publication No. 2002-0068813 A1 published June 6, 2002;
31. M. Samson et al., U.S. Patent Application Publication No. 2004-0161739 published August 19, 2004;
32. M. Samson et al., U.S. Patent Application Publication No. 2004-0110127 published June 10, 2004;
33. V. Roschke et al., U.S. Patent Application Publication No. 2005-0154193 published July 14, 2005;
34. C. Rosen et al., U.S. Patent Application Publication No. 2003-0166024 published September 4, 2003;
35. C. Rosen et al., U.S. Patent Application Publication No. 2002-0048786 published April 25, 2002;
36. C. Rosen et al., U.S. Patent Application Publication No. 2002-0061834 published May 23, 2002;
37. L. Wu et al., U.S. Patent Application Publication No. 2003-0166870 published December 23, 2004;
38. C. Combadiere et al., U.S. Patent Application Publication No. 2003-0195348 published October 16, 2003;
39. L. Lopalco et al., U.S. Patent Application Publication No. 2003-0003440 published January 2, 2003;
40. T. Dragic et al., U.S. Patent Application Publication No. 2003-0092632 published May 15, 2003;
41. W.C. Olson et al., U.S. Patent Application Publication No. 2007-0026441 A1 published February 1, 2007;

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42. W.C. Olson et al., U.S. Patent Application Publication No. 2004-0062767 published April 1, 2004;
43. T. Dragic et al., U.S. Patent Application Publication No. 2003-0139571 A1 published July 24, 2003;
44. February 15, 1996 Advisory Action in connection with U.S. Application Serial No. 08/169,311 (**Exhibit 1**);
45. September 13, 1995 Final Office Action in connection with U.S. Application Serial No. 08/169,311 (**Exhibit 2**);
46. November 23, 1994 Office Action in connection with U.S. Application Serial No. 08/169,311 (**Exhibit 3**);
47. August 18, 1994 Office Action in connection with U.S. Application Serial No. 08/169,311 (**Exhibit 4**);
48. July 16, 1998 Notice of Acceptance in connection with Australian Application No. 14387/95 (**Exhibit 5**);
49. November 27, 1996 Examiner's First Report in connection with Australian Application No. 14387/95 (**Exhibit 6**);
50. July 5, 2000 Notice of Acceptance in connection with Australian Application No. 62690/96 (**Exhibit 7**);
51. November 10, 1998 Examiner's First Report in connection with Australian Application No. 62690/96 (**Exhibit 8**);
52. September 14, 2006 Official Action in connection with Canadian Application No. 2,224,003 (**Exhibit 9**);
53. September 11, 2006 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 96 921 473.3 (**Exhibit 10**);

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54. March 8, 2006 Summons to Oral Proceedings Pursuant to Rule 71(1) EPC in connection with European Application No. 96 921 473.3 (**Exhibit 11**);
55. February 24, 2005 Provision of a Copy of the Minutes in accordance with Rule 76(4) EPC in connection with European Application No. 96 921 473.3 (**Exhibit 12**);
56. February 24, 2005 Decision to Refuse a European Patent Application in connection with European Application No. 96 921 473.3 (**Exhibit 13**);
57. August 30, 2004 Summons to Oral Proceedings Pursuant to Rule 71(1) EPC in connection with European Application No. 96 921 473.3 (**Exhibit 14**);
58. December 19, 2002 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 96 921 473.3 (**Exhibit 15**);
59. July 6, 2001 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 96 921 473.3 (**Exhibit 16**);
60. December 20, 1999 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 08/973,601 (**Exhibit 17**);
61. August 3, 1999 Advisory Action in connection with U.S. Application Serial No. 08/973,601 (**Exhibit 18**);
62. March 25, 1999 Office Action in connection with U.S. Application Serial No. 08/973,601 (**Exhibit 19**);
63. June 24, 1998 Office Action in connection with U.S. Application Serial No. 08/973,601 (**Exhibit 20**);

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64. January 11, 2005 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 09/412,284 (**Exhibit 21**);
65. December 2, 2003 Final Office Action in connection with U.S. Application Serial No. 09/412,284 (**Exhibit 22**);
66. February 3, 2003 Office Action in connection with U.S. Application Serial No. 09/412,284 (**Exhibit 23**);
67. April 8, 2002 Advisory Action in connection with U.S. Application Serial No. 09/412,284 (**Exhibit 24**);
68. September 11, 2001 Final Office Action in connection with U.S. Application Serial No. 09/412,284 (**Exhibit 25**);
69. December 19, 2000 Office Action in connection with U.S. Application Serial No. 09/412,284 (**Exhibit 26**);
70. April 18, 2007 Office Action in connection with U.S. Application Serial No. 11/258,963 (**Exhibit 27**);
71. December 26, 2006 Office Action in connection with U.S. Application Serial No. 11/258,963 (**Exhibit 28**);
72. February 8, 2007 Office Action in connection with U.S. Application Serial No. 09/904,356 (**Exhibit 29**);
73. May 2, 2006 Final Office Action in connection with U.S. Application Serial No. 09/904,356 (**Exhibit 30**);
74. October 12, 2005 Office Action in connection with U.S. Application Serial No. 09/904,356 (**Exhibit 31**);
75. July 29, 2005 Advisory Action in connection with U.S. Application Serial No. 09/904,356 (**Exhibit 32**);

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76. November 17, 2004 Final Office Action in connection with U.S. Application Serial No. 09/904,356 (**Exhibit 33**);
77. July 1, 2003 Office Action in connection with U.S. Application Serial No. 09/904,356 (**Exhibit 34**);
78. September 29, 2003 Advisory Action in connection with U.S. Application Serial No. 09/118,415 (**Exhibit 35**);
79. January 28, 2003 Final Office Action in connection with U.S. Application Serial No. 09/118,415 (**Exhibit 36**);
80. April 9, 2002 Office Action in connection with U.S. Application Serial No. 09/118,415 (**Exhibit 37**);
81. August 14, 2001 Advisory Action in connection with U.S. Application Serial No. 09/118,415 (**Exhibit 38**);
82. November 24, 2000 Final Office Action in connection with U.S. Application Serial No. 09/118,415 (**Exhibit 39**);
83. February 11, 2000 Office Action in connection with U.S. Application Serial No. 09/118,415 (**Exhibit 40**);
84. August 3, 2006 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 41**);
85. July 17, 2006 Notice of Allowability in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 42**);
86. May 18, 2006 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 43**);
87. August 8, 2005 Office Action in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 44**);
88. March 21, 2005 Office Action in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 45**);

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89. May 28, 2004 Advisory Action in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 46**);
90. September 24, 2003 Final Office Action in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 47**);
91. December 18, 2002 Office Action in connection with U.S. Application Serial No. 09/891,062 (**Exhibit 48**);
92. April 30, 2007 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 11/544,346 (**Exhibit 49**);
93. March 3, 1997 Office Action in connection with U.S. Application Serial No. 08/627,684 (**Exhibit 50**);
94. June 23, 1997 Office Action in connection with U.S. Application Serial No. 08/663,616 (**Exhibit 51**);
95. March 13, 1997 Office Action in connection with U.S. Application Serial No. 08/673,682 (**Exhibit 52**);
96. November 28, 2000 Notice of Acceptance in connection with Australian Application No. 26074/97 (**Exhibit 53**);
97. July 13, 1999 Examiner's First Report in connection with Australian Application No. 26074/97 (**Exhibit 54**);
98. October 23, 2006 Official Action in connection with Canadian Application No. 2,250,829 (**Exhibit 55**);
99. May 27, 2005 Official Action in connection with Canadian Application No. 2,250,829 (**Exhibit 56**);
100. May 4, 2007 Summons to Attend Oral Proceedings Pursuant to Rule 71(1) EPC in connection with European Application No. 97917856.3 (**Exhibit 57**);

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101. January 27, 2006 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 97917856.3 (**Exhibit 58**);
102. October 21, 2005 Communication Pursuant to Article 115(2) EPC in connection with European Application No. 97917856.3 (**Exhibit 59**);
103. April 1, 2005 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 97917856.3 (**Exhibit 60**);
104. August 5, 2004 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 97917856.3 (**Exhibit 61**);
105. January 27, 2004 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 97917856.3 (**Exhibit 62**);
106. May 9, 2003 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 97917856.3 (**Exhibit 63**);
107. March 6, 2002 Search Report Communication in connection with European Application No. 97917856.3 (**Exhibit 64**);
108. February 27, 2007 Notification of Reasons for Rejection in connection with Japanese Application No. 535610/97 (English translation) (**Exhibit 65**);
109. May 19, 2006 Examiner's First Report in connection with Australian Application No. 2004233505 (**Exhibit 66**);
110. July 26, 2004 Notice of Acceptance in connection with Australian Application No. 35106/01 (**Exhibit 67**);
111. July 5, 2004 Examiner's Second Report in connection with Australian Application No. 35106/01 (**Exhibit 68**);
112. November 1, 2002 Examiner's First Report in connection with Australian Application No. 35106/01 (**Exhibit 69**);

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113. December 4, 2001 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 70**);
114. January 16, 2001 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 71**);
115. September 26, 2000 Advisory Action in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 72**);
116. April 11, 2000 Final Office Action in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 73**);
117. July 21, 1999 Final Office Action in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 74**);
118. December 21, 1998 Office Action in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 75**);
119. August 17, 1998 Office Action in connection with U.S. Application Serial No. 08/831,823 (**Exhibit 76**);
120. June 15, 2006 Final Office Action in connection with U.S. Application Serial No. 09/888,938 (**Exhibit 77**);
121. September 7, 2005 Office Action in connection with U.S. Application Serial No. 09/888,938 (**Exhibit 78**);
122. August 4, 2004 Office Action in connection with U.S. Application Serial No. 09/888,938 (**Exhibit 79**);
123. May 5, 2004 Office Action in connection with U.S. Application Serial No. 09/888,938 (**Exhibit 80**);
124. June 22, 1999 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 08/876,078 (**Exhibit 81**);

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125. December 21, 1998 Final Office Action in connection with U.S. Application Serial No. 08/876,078 (**Exhibit 82**);
126. March 23, 1998 Office Action in connection with U.S. Application Serial No. 08/876,078 (**Exhibit 83**);
127. June 16, 2006 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 98 931 261.6 (**Exhibit 84**);
128. June 17, 2005 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 98 931 261.6 (**Exhibit 85**);
129. October 17, 2006 Final Office Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 86**);
130. February 3, 2006 Office Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 87**);
131. July 29, 2005 Advisory Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 88**);
132. February 09, 2005 Final Office Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 89**);
133. September 26, 2003 Advisory Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 90**);
134. February 27, 2003 Final Office Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 91**);
135. October 2, 2001 Office Action in connection with U.S. Application Serial No. 09/460,216 (**Exhibit 92**);
136. September 9, 2002 Notice of Acceptance in connection with Australian Application No. 81426/98 (**Exhibit 93**);

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137. February 27, 2002 Examiner's Second Report in connection with Australian Application No. 81426/98 (**Exhibit 94**);
138. February 21, 2001 Examiner's First Report in connection with Australian Application No. 81426/98 (**Exhibit 95**);
139. February 4, 1997 Office Action in connection with U.S. Application Serial No. 08/665,090 (**Exhibit 96**);
140. August 29, 2000 Notice of Allowance and Allowability in connection with 08/874,618 (**Exhibit 97**);
141. November 19, 1999 Office Action in connection with U.S. Application Serial No. 08/874,618 (**Exhibit 98**);
142. May 24, 1999 Final Office Action in connection with U.S. Application Serial No. 08/874,618 (**Exhibit 99**);
143. September 2, 1998 Office Action in connection with U.S. Application Serial No. 08/874,618 (**Exhibit 100**);
144. December 13, 2005 Final Office Action in connection with U.S. Application Serial No. 09/724,105 (**Exhibit 101**);
145. March 23, 2005 Office Action in connection with U.S. Application Serial No. 09/724,105 (**Exhibit 102**);
146. September 23, 2004 Office Action in connection with U.S. Application Serial No. 09/724,105 (**Exhibit 103**);
147. May 19, 2004 Office Action in connection with U.S. Application Serial No. 09/724,105 (**Exhibit 104**);
148. December 19, 2006 Office Action in connection with U.S. Application Serial No. 11/400,497 (**Exhibit 105**);
149. August 8, 2006 Office Action in connection with U.S. Application Serial No. 11/400,497 (**Exhibit 106**);

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150. May 29, 2001 Notice of Acceptance in connection with Australian Application No. 34026/97 (**Exhibit 107**);
151. September 28, 1999 Examiner's First Report in connection with Australian Application No. 34026/97 (**Exhibit 108**);
152. November 10, 2006 Official Action in connection with Canadian Application No. 2,257,991 (**Exhibit 109**);
153. May 23, 2005 Communications Pursuant to Article 96(2) EPC in connection with European Application No. 97 930 120.7 (**Exhibit 110**);
154. November 17, 2004 Communication of partial European search report under Rule 45 EPC in connection with European Application No. 97 930 120.7 (**Exhibit 111**);
155. September 9, 2004 Communication of partial European search report under Rule 46(1) EPC in connection with European Application No. 97 930 120.7 (**Exhibit 112**);
156. October 17, 2006 Notification of Reasons for Rejection in connection with Japanese Application No. 501895/98 (English translation) (**Exhibit 113**);
157. April 5, 2004 Notice of Acceptance in connection with Australian Application No. 21996/00 (**Exhibit 114**);
158. February 5, 2003 Examiner's First Report in connection with Australian Application No. 21996/00 (**Exhibit 115**);
159. March 29, 2006 Examiner's First Report in connection with Australian Application No. 20004205164 (**Exhibit 116**);
160. March 29, 2006 Examiner's First Report in connection with Australian Application No. 20004205165 (**Exhibit 117**);

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161. March 1, 2006 Communication under Rule 51(4) EPC in connection with European Application No. 99 966 466.7 (**Exhibit 118**);
162. January 10, 2005 Communication Pursuant to Article 96(2) EPC in connection with European Application No. 99 966 466.7 (**Exhibit 119**);
163. October 14, 2004 Communication Pursuant to Article 96(1) and Rule 51(1) EPC in connection with European Application No. 99 966 466.7 (**Exhibit 120**);
164. January 18, 2007 Office communication in connection with Mexican Application No. 1006097 (**Exhibit 121**);
165. October 13, 2005 Office communication in connection with Mexican Application No. 1006097 (**Exhibit 122**);
166. February 6, 2007 Notice of Allowability in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 123**);
167. January 8, 2007 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 124**);
168. April 19, 2006 Office Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 125**);
169. October 21, 2005 Office Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 126**);
170. June 15, 2005 Advisory Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 127**);
171. January 13, 2005 Final Office Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 128**);
172. April 2, 2004 Office Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 129**);

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173. October 21, 2003 Office Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 130**);
174. September 25, 2001 Office Action in connection with U.S. Application Serial No. 09/464,902 (**Exhibit 131**);
175. August 7, 2006 Office Action in connection with U.S. Application Serial No. 09/594,983 (**Exhibit 132**);
176. March 24, 2006 Notice of Allowance and Allowability in connection with U.S. Application Serial No. 09/594,983 (**Exhibit 133**);
177. July 11, 2005 Final Office Action in connection with U.S. Application Serial No. 09/594,983 (**Exhibit 134**);
178. August 25, 2004 Office Action in connection with U.S. Application Serial No. 09/594,983 (**Exhibit 135**);
179. September 23, 2003 Notice of Allowability in connection with U.S. Application Serial No. 09/594,983 (**Exhibit 136**);
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468. PCT International Search Report issued August 13, 2003 for International Application Publication No. WO 03/072766 (**Exhibit 425);**
469. PCT International Search Report issued April 23, 2002 for International Application Publication No. WO 02/22077 (**Exhibit 426);**
470. PCT International Search Report issued July 31, 2003 for International Application Publication No. WO 02/083172 (**Exhibit 427);**
471. PCT International Preliminary Examination Report issued January 27, 2000 for International Application Publication No. WO 98/56421 (**Exhibit 428);**
472. PCT International Preliminary Examination Report issued July 10, 1998 for International Application Publication No. WO 97/37005 (**Exhibit 429);**
473. PCT International Preliminary Examination Report issued October 16, 1999 for International Application Publication No. WO 97/47319 (**Exhibit 430);**
474. PCT International Preliminary Examination Report issued September 28, 2005 for International Application Publication No. WO 03/072766 (**Exhibit 431);**

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475. PCT International Preliminary Examination Report issued April 5, 2006 for International Application Publication No. WO 03/072766 (**Exhibit 432**);
476. PCT International Preliminary Examination Report issued February 15, 2001 for International Application Publication No. WO 00/35409 (**Exhibit 433**);
477. PCT International Preliminary Examination Report issued December 24, 2003 for International Application Publication No. WO 02/083172 (**Exhibit 434**);
478. PCT Written Opinion issued May 25, 2005 in connection with International Application Publication No. WO 03/072766 (**Exhibit 435**);
479. European Supplementary Partial Search Report issued September 27, 2004 for European Application No. 99966466 (**Exhibit 436**);
480. European Supplementary Partial Search Report issued February 19, 2003 for European Patent Application No. 98931261.6 (**Exhibit 437**);
481. European Supplementary Partial Search Report issued August 26, 2004 for European Patent Application No. 97930120.7 (**Exhibit 438**);
482. European Supplementary Partial Search Report issued November 8, 2004 for European Patent Application No. 97930120.7 (**Exhibit 439**);
483. European Supplementary Search Report issued April 21, 2006 for European Application No. 03713632.2 (**Exhibit 440**);
484. European Supplementary Search Report issued March 6, 2002 for European Patent Application No. 97917856.3 (**Exhibit 441**);
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European Patent Application No. 01970984.9 (**Exhibit 442**);

- 486. European Patent Office Communication issued November 11, 2004 in connection with European Patent Application No. 97930120.7 (**Exhibit 443**);
- 487. European Patent Application No. 96870021.1 filed March 1, 1996 (**Exhibit 444**);
- 488. European Patent Application No. 0883687 B1 issued October 27, 2004 (**Exhibit 445**);
- 489. European Patent Application No. 96870102.9 filed August 6, 1996 (**Exhibit 446**);
- 490. European Patent Application Publication No. 1145721 A2 published October 17, 2001 (**Exhibit 447**);
- 491. European Patent Application Publication No. 1146055 A2 published October 17, 2001 (**Exhibit 448**);
- 492. European Patent Application Publication No. 1146122 A2 published October 17, 2001 (**Exhibit 449**);
- 493. European Patent Application Publication No. 1148126 A2 published October 24, 2001 (**Exhibit 450**);
- 494. European Patent Application Publication No. 1148127 A2 published October 24, 2001 (**Exhibit 451**);
- 495. European Patent Application Publication No. 1149582 A2 published October 31, 2001 (**Exhibit 452**);
- 496. European Patent Application Publication No. 1199360 A2 published April 24, 2002 (**Exhibit 453**);
- 497. European Patent Application Publication No. 1482042 A1 published December 1, 2004 (**Exhibit 454**);

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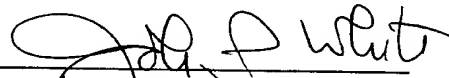
498. European Patent Application Publication No. 0815137 published December 12, 1996 (**Exhibit 455**); and

499. Canadian Patent Application Publication No. 2216990 published December 27, 1997 (**Exhibit 456**).

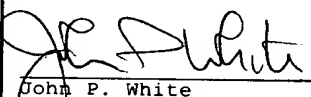
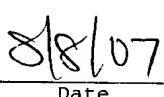
If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

No fee, other than the \$510.00 fee for a three-month extension of time and the \$180.00 fee for filing a Supplemental Information Disclosure Statement, is deemed necessary in connection with the filing of this Communication. However, if any additional fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.	
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